

Appendix A

# Conveyance System Improvements Identified in Regional Needs Assessment

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Project #	Project List	Project Type	Year Online <sup>1</sup>	Estimated Project Cost <sup>2</sup>
1	Bear Creek Interceptor Extension	Gravity Line	1998	\$400,000
2	Alderwood	Acquisition of Facilities	2001	\$16,700,000
3	Swamp Creek	Gravity Line	2003	\$10,700,000
4	ESI-11 - Wilburton Siphon/Wilburton Odor Control	Gravity Line	2003	\$3,900,000
5	Off-line Storage at North Creek	Storage Facility	2004	\$33,800,000
6	ESI-1 (2)	Gravity Line	2004	\$8,700,000
7	Fairwood Interceptor (formerly Madsen Creek)	Gravity Line	2005	\$21,600,000
8	McAleer I/I Work	I/I rehab work (opportunity)	2005	\$3,200,000
9	Pacific Pump Station	Pump Station Upgrade	2006	\$7,800,000
10	York PS Subtotal	Pump Station Upgrade	2007	\$10,000,000
11	Lake Line Connections and Flap Gates	Gravity Line	2007	\$1,400,000
12	Juanita Bay Pump Station	Pump Station	2007	\$33,100,000
13	Sammamish Plateau WSD	Acquisition of Facilities	2007	\$9,400,000
14	Hidden Lake PS/Boeing Trunk	Pump Station Upgrade and Gravity Line	2008	\$28,500,000
15	Kirkland Pump Station and Force Main Upgrade	Pump Station and Force Main Upgrade	2008	\$9,600,000
16	Auburn	Interceptor Extension	2008	\$11,500,000
17	[CSI] North Creek 1-A	Gravity Line	2009	\$16,900,000
18	[CSI] Stuck River Diversion 1	Gravity Line	2009	\$5,200,000
19	[CSI] Stuck River Diversion 2	Gravity Line	2009	\$2,300,000
20	[CSI] Auburn West Valley Replacement - Section C	Gravity Line	2009	\$12,400,000
21	[CSI] Auburn West Valley Replacement - Section A	Gravity Line	2009	\$2,900,000
22	[CSI] Auburn West Valley Replacement - Section B	Gravity Line	2010	\$25,200,000
23	[CSI] Soos Alternative 3A(3) - PS D w/ Conveyance	New Pump station, Force Main and Gravity Sewers	2010	\$35,700,000
24	South Lake City: NWW13-02 TO NWW10-01	Gravity Line	2011	\$100,000
25	[CSI] Soos Alternative 3A(3) - PS H w/ Conveyance	New Pump station, Force Main and Gravity Sewers	2011	\$42,700,000
26	Piper Creek: T-12 to T-5	Gravity Line	2012	\$500,000
27	Piper Creek: T-23 D TO T-12	Gravity Line	2013	\$2,200,000
28	Issaquah1 Trunk Pipeline Bifurcation	New Gravity Line	2014	\$1,400,000
29	Bellevue Influent Trunk	New Gravity Line	2015	\$2,600,000
30	North Mercer and Enatai Interceptors	New Gravity Line	2016	\$10,800,000
31	Medina Trunk Minor Upgrade	New Gravity Line	2019	\$100,000
32	[CSI] Thornton Creek Interceptor - Sections 1 & 2	New Gravity Line	2019	\$3,300,000
33	Bryn Mawr Storage	New Storage Facility	2020	\$8,200,000

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34	[CSI] Coal Trunk Replacement	New Gravity Line	2020	\$6,800,000
35	Factoria Trunk and Wilburton Upgrade	New Gravity Line, Pump Station Upgrade	2020	\$27,900,000
36	[CSI] Sammamish Plateau Diversion	New Gravity Line	2020	\$18,800,000
37	[CSI] Thornton Creek Interceptor - Section 3	New Gravity Line	2022	\$2,400,000
38	[CSI] Mill Creek Relief Sewer	New Gravity Line	2022	\$5,000,000
39	North Soos Creek Interceptor	New Gravity Line	2022	\$5,600,000
40	Heathfield/Sunset Pump Station and Force Main Upgrade	New Force Main, Pump Station Upgrade	2022	\$16,000,000
41	Eastgate Trunk	New Gravity Line	2022	\$1,800,000
42	Medina New Storage	New Storage Facility	2023	\$3,600,000
43	[CSI] Soos Alternative 3A(3) - PS B w/ Conveyance	New Force Main, New Pump, New Gravity Line	2023	\$10,600,000
44	Northwest Lake Sammamish Interceptor	New Gravity Line	2024	\$28,900,000
45	Rainier Vista Trunk	New Gravity Line	2024	\$600,000
46	Garrison Creek Trunk	New Gravity Line	2024	\$12,900,000
47	Lake Hills Trunk Fourth Barrel Addition	New Gravity Line	2025	\$12,400,000
48	[CSI] North Creek 2-A	Gravity Line	2026	\$45,500,000
49	[CSI] Swamp Creek Parallel - Section 1B	New Gravity Line	2026	\$7,300,000
50	Algona Pacific Trunk Stage 1	New Gravity Line	2026	\$4,300,000
51	[CSI] Issaquah New Storage	New Storage Facility	2026	\$15,100,000
52	[CSI] Sammamish Plateau Storage	New Storage Facility	2027	\$20,500,000
53	Issaquah Creek Highlands New Storage	New Storage Facility	2029	\$3,900,000
54	Planning, Studies, Administration, and Program Development	Ongoing Program	2030	\$15,200,000
	<b>Sub-Total of Projects Needed by 2030</b>			<b>\$648,000,000</b>
55	Auburn3 New Storage	New Storage Facility	2030-2050	\$33,800,000
56	[CSI] North Creek 3-A	New Gravity Line	2030-2050	\$6,700,000
57	Lakeland Trunk	New Gravity Line	2030-2050	\$4,800,000
58	ULID 1 Contract 4	New Gravity Line	2030-2050	\$2,300,000
59	Issaquah2 Trunk	New Gravity Line	2030-2050	\$2,300,000
60	South Renton Interceptor	New Gravity Line	2030-2050	\$6,900,000
61	North Creek Trunk	New Gravity Line	2030-2050	\$4,000,000
62	Algona Pacific Trunk Stage 2	New Gravity Line	2030-2050	\$1,300,000
63	Lakeland Hills Pump Station Upgrade	New Force Main, Pump Station Upgrade	2030-2050	\$3,700,000
34-2nd phase	[CSI] Coal Trunk Replacement	New Gravity Line	2030-2050	\$7,000,000
30-2nd phase	North Mercer and Enatai Interceptors	New Gravity Line	2030-2050	\$12,000,000
36-2nd phase	[CSI] Sammamish Plateau Diversion	New Gravity Line	2030-2050	\$4,600,000
40-2nd phase	Heathfield/Sunset Pump Station and Force Main Upgrade	New Force Main, Pump Station Upgrade	2030-2050	\$21,900,000
52-2nd phase	[CSI] Sammamish Plateau Storage	New Storage Facility	2030-2050	\$7,200,000
51-2nd phase	[CSI] Issaquah New Storage	New Storage Facility	2030-2050	\$4,900,000
48-2nd phase	[CSI] North Creek 2-A	Gravity Line	2030-2050	\$7,200,000
	<b>Sub-Total of Projects Needed between 2031 &amp; 2050</b>			<b>\$130,600,000</b>
	<b>Total of Project Cost Estimates<sup>1</sup></b>			<b>\$778,600,000</b>

<sup>1</sup> Year online balances capacity needs with estimated funding availability.

<sup>2</sup> All estimated costs are in 2003 dollars.